

**COMPLETE LISTING OF ALL CLAIMS**

1.(currently amended) A peptide fragment having the general sequence

His-X<sup>1</sup>-His-X<sup>2</sup>-X<sup>3</sup>-X<sup>4</sup>-Cys-X<sup>5</sup>-X<sup>6</sup>-Cys,

where the variables X<sup>1</sup> to X<sup>6</sup> in the sequence have the following meanings:

X<sup>1</sup> = an amino acid selected from the group consisting of Ala, Val, Phe, Ser, Met, Trp, Tyr, Asn, Asp or Lys and the variables X<sup>2</sup> to X<sup>6</sup> an amino acid selected from the group consisting of Gly, Ala, Val, Leu, Ile, Phe, Pro, Ser, Thr, Cys, Met, Trp, Tyr, Asn, Gln, Asp, Glu, Lys, Arg, His or

X<sup>2</sup> = an amino acid selected from the group consisting of Val, Ile, Phe, Pro, Trp, Tyr, Gln, Glu or Arg and the variables X<sup>1</sup>, X<sup>3</sup> to X<sup>6</sup> an amino acid selected from the group consisting of Gly, Ala, Val, Leu, Ile, Phe, Pro, Ser, Thr, Cys, Met, Trp, Tyr, Asn, Gln, Asp, Glu, Lys, Arg, His or

X<sup>3</sup> = an amino acid selected from the group consisting of Gly, Ile, Thr, Met, Trp, Tyr, Asn, Gln, Asp, Glu, Lys, Arg, His and the variables X<sup>1</sup>, X<sup>2</sup>, X<sup>4</sup> to X<sup>6</sup> an amino acid selected from the group consisting of Gly, Ala, Val, Leu, Ile, Phe, Pro, Ser, Thr, Cys, Met, Trp, Tyr, Asn, Gln, Asp, Glu, Lys, Arg, His or

X<sup>4</sup> = an amino acid selected from the group consisting of Val, Phe, Pro, Cys, Met, Trp, Asn, Glu, Arg or His and the variables X<sup>1</sup> to X<sup>3</sup>, X<sup>5</sup>, X<sup>6</sup> an amino acid selected from the group consisting of Gly, Ala, Val, Leu, Ile, Phe, Pro, Ser, Thr, Cys, Met, Trp, Tyr, Asn, Gln, Asp, Glu, Lys, Arg, His or

*DP*  
*ADT*

$X^5$  = an amino acid selected from the group consisting of Gly, Ser, Cys, Met, Trp, Asn, Glu, Lys or Arg and the variables  $X^1$  to  $X^4$ ,  $X^6$  an amino acid selected from the group consisting of Gly, Ala, Val, Leu, Ile, Phe, Pro, Ser, Thr, Cys, Met, Trp, Tyr, Asn, Gln, Asp, Glu, Lys, Arg, His or

$X^6$  = an amino acid selected from the group consisting of Phe, Pro, Ser, Cys, Trp, Tyr or Gln and the variables  $X^1$  to  $X^5$  an amino acid selected from the group consisting of Gly, Ala, Val, Leu, Ile, Phe, Pro, Ser, Thr, Cys, Met, Trp, Tyr, Asn, Gln, Asp, Glu, Lys, Arg, His and

where at least one of the variables  $X^1$  to  $X^6$  in the sequence is, independently of one another, Gln or Asn.

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*(ne)*

2. (original) A peptide fragment as claimed in claim 1, in which the variables  $X^1$  to  $X^6$  have the meanings stated in claim 1, where at least one of the variables  $X^1$  to  $X^6$  in the sequence is, independently of one another, Lys or Arg.

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3. (currently amended) A peptide fragment as claimed in claim 1, in which the variables  $X^1$  to  $X^6$  in the sequence have the following meanings independently of one another:

*DZ*

$X^1$  = an amino acid selected from the group consisting of Ala, Val, Phe, Ser, Met, Trp, Tyr, Asn, Asp or Lys;

$X^2$  = an amino acid selected from the group consisting of Val, Ile, Phe, Pro, Trp, Tyr, Gln, Glu or Arg;

$X^3$  = an amino acid selected from the group consisting of Gly, Ile, Thr, Met, Trp, Tyr, Asn, Gln, Asp, Glu, Lys, Arg or His;

$X^4$  = an amino acid selected from the group consisting of Val, Phe, Pro, Cys, Met, Trp, Asn, Glu, Arg or His;

$X^5$  = an amino acid selected from the group consisting of Gly, Ser, Cys, Met, Trp, Asn, Glu, Lys or Arg;

$X^6$  = an amino acid selected from the group consisting of Phe, Pro, Ser, Cys, Trp, Tyr or Gln.

4.(currently amended) A peptide fragment as claimed in claims1, in which the variables

$X^1$  to  $X^6$  in the sequence have the following meanings independently of one another:

$X^1$  = an amino acid selected from the group consisting of Phe, Ser, Asn, Asp or Lys;

$X^2$  = an amino acid selected from the group consisting of Val, Ile, Phe, Pro, Gln, Glu or Arg;

$X^3$  = an amino acid selected from the group consisting of Gly, Ile, Thr, Met, Trp, Tyr, Asn, Asp, Glu, Arg or His;

$X^4$  = an amino acid selected from the group consisting of Val, Phe, Cys, Met, Trp, Asn, Arg or His;

$X^5$  = an amino acid selected from the group consisting of Gly, Ser, Cys, Met, Asn, Glu, Lys or Arg;

$X^6$  = an amino acid selected from the group consisting of Phe, Ser, Cys, or Tyr.

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5.(currently amended) A peptide fragment as claimed in claim 1 , in which the variables

$X^1$  to  $X^6$  in the sequence have the following meanings:

$X^1$  = Asn;

$X^2$  = Gln, Glu or Arg;

$X^3$  = Gly, Thr or Tyr;

$X^4$  = Asn or Arg;

$X^5$  = Gly or Lys;

$X^6$  = Cys.

*Sub  
EP* 6. (allowed) A peptide fragment having the sequence

His-Gln-His-Glu-Gly-Arg-Cys-Lys-Glu-Cys

His-Asn-His-Arg-Tyr-Gly-Cys-Gly-Cys-Cys

His-Arg-His-Gly-Thr-Asn-Cys-Leu-Lys-Cys

His-Ile-His-Gln-Ser-Asn-Cys-Gln-Val-Cys.